Title (en)
USER INTERFACE APPARATUS AND INPUT METHOD

Title (de)
BENUTZERSCHNITTSTELLENVORRICHTUNG UND EINGABEVERFAHREN

Title (fr)
APPAREIL D'INTERFACE UTILISATEUR ET PROCÉDÉ D'ENTRÉE

Publication
EP 2515206 A1 20121024 (EN)

Application
EP 10837235 A 20101202

Priority
• JP 2009282491 A 20091214
• JP 2010007026 W 20101202

Abstract (en)
Provided is a user interface device (10) that estimates a user's degree of interest, for performing an input process on the basis of the user's degree of interest in a plurality of objects displayed on a screen (26). The device includes a gaze direction detection unit (11) that detects a gaze direction of the user; a gaze duration calculation unit (12) that calculates gaze duration during which the gaze direction has remained on each of the plurality of objects; an eye-attracting force calculation unit (13) that calculates eye-attracting force of each of the plurality of objects; and a degree of interest estimation unit (14) that estimates the user's degree of interest in each of the plurality of objects, such that the longer the gaze duration is the higher the degree of interest becomes, and that the smaller the eye-attracting force is the higher the degree of interest becomes.

IPC 8 full level
G06F 3/01 (2006.01); **G06F 3/0346** (2013.01); **G06Q 50/00** (2012.01); **G06T 7/00** (2006.01)

CPC (source: EP US)
G06F 3/013 (2013.01 - EP US); **G06T 7/74** (2016.12 - EP US); G06T 2207/10016 (2013.01 - EP US); G06T 2207/10021 (2013.01 - EP US); G06T 2207/10024 (2013.01 - EP US); G06T 2207/30201 (2013.01 - EP US)

Cited by
CN105310651A

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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
US 2011298702 A1 20111208; **US 8830164 B2 20140909**; CN 102301316 A 20111228; CN 102301316 B 20150722; EP 2515206 A1 20121024; EP 2515206 A4 20150121; EP 2515206 B1 20190814; JP 5602155 B2 20141008; JP WO2011074198 A1 20130425; WO 2011074198 A1 20110623

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